

Looking at the documents you've provided, I'll extract and compile the text from all the PDF files in your database.

The PDF files in your database include:

1. "FROM DREAM TO DECK by MARINE EDGE.pdf" - A guide for Merchant Navy aspirants
2. "IMUCET 2025 Syllabus by MARINE EDGE.pdf" - Contains detailed syllabus for IMU-CET 2025
3. "MEDICAL REQUIREMENTS by MARINE EDGE (1).pdf" - Medical requirements for sea service
4. "ROADMAP FOR B.TECH by MARINE EDGE.pdf" - Career roadmap for B.Tech Marine Engineering
5. "ROADMAP FOR BSc by MARINE EDGE.pdf" - Career roadmap for BSc in Nautical Science
6. "Roadmap for DNS by MARINE EDGE.pdf" - Career roadmap for DNS aspirants

Here's a compilation of the text extracted from these PDF files:

FROM DREAM TO DECK by MARINE EDGE.pdf

The document contains contact information for Marine Edge:

- Email: support@marineedge.in
- Website: www.marineedge.in
- Social media handle: @marineedge / Marineedge15
- Phone numbers: 7667974205, 6202015451

The document appears to be titled "From Dream to Deck: A Guide for Merchant Navy Aspirants"

IMUCET 2025 Syllabus by MARINE EDGE.pdf

This document outlines the complete syllabus for the IMU-CET 2025 examination, covering:

PHYSICS syllabus includes:

- Units and Measurements (SI units, dimensional analysis)
- Mechanics (laws of motion, kinematics, energy, rotational motion)
- Thermodynamics (laws, heat transfer, thermal equilibrium)
- Optics (geometrical optics, reflection, refraction, lenses)
- Waves and Oscillations (wave motion, interference, simple harmonic motion)
- Electrostatics and Electromagnetism (electric charge, Gauss's law, electromagnetic induction)
- Mechanical Properties of Solid (elastic behavior, stress and strain, Hooke's law)
- Modern Physics (atomic structure, nuclear physics, radioactivity)
- Fluid Mechanics (fluid properties, Bernoulli's equation, Pascal's law)
- Semiconductor Devices (basics, diodes, transistors)

CHEMISTRY syllabus includes:

- Atomic Structure (subatomic particles, electronic configuration, periodic table)
- Chemical Bonding (ionic, covalent, metallic bonding, VSEPR theory)
- States of Matter (gases, liquids, solids, intermolecular forces)
- Thermodynamics (laws, calorimetry, enthalpy, entropy)
- Chemical Equilibrium (reversible reactions, Le Chatelier's principle)
- Redox Reactions (oxidation, reduction, electrochemical cells, corrosion)
- Basic Concepts of Chemistry (laws of chemical combination, atomic theory)
- Electrochemistry (electrochemical cells, Nernst equation, electrolysis)
- Chemical Kinetics (reaction rates, factors affecting rate, activation energy)
- Solutions and Colligative Properties (types, osmotic pressure, boiling/freezing point)
- Organic Chemistry (nomenclature, isomerism, functional groups)
- Coordination Chemistry (compounds, ligands, coordination number)
- Periodic Table (p-Block, d-Block, f-Block elements)

MATHEMATICS syllabus includes:

- Sets & Functions (relations, trigonometric functions)
- Algebra (quadratic equations, linear equations, matrices, complex numbers)
- Trigonometry (functions, identities, inverse functions, equations)
- Calculus (limits, continuity, differentiation, integration)
- Coordinate Geometry (Cartesian coordinates, straight lines, circles, conics)
- Vectors (vector algebra, scalar and vector products, 3D geometry)
- Differential Equations (first-order and higher-order, solutions)
- Probability and Statistics (basic probability)
- Linear Programming

APTITUDE syllabus includes:

- Numerical Ability (arithmetic, time and work, probability, data interpretation)
- Logical Reasoning (analytical reasoning, coding, syllogisms, direction sense)
- Verbal Ability (English grammar, vocabulary, reading comprehension)
- Data Interpretation (tabular data, graphs, charts)
- General Knowledge and Current Affairs

ENGLISH syllabus includes: For IMUCET:

- Tenses

- Phrasal Verbs
- Idioms
- Word Meanings
- Synonyms/Antonyms
- Active and Passive Voices
- Parts of Speech
- Direct and Indirect Speech

For Sponsorship Test:

- Same as IMUCET plus
- Essay Writing
- Letter Writing
- Passage Reading

The document also highlights Marine Edge's achievements:

- 15K+ Student Community
- 900+ Happy Students
- 20+ Sponsorship Companies
- 25+ Students Under AIR 1000 in IMUCET

It lists shipping companies where Marine Edge students have been selected: Torm Tankers, Scorpio Tankers, Anglo Eastern, Fleet Management, Synergy, MSC, PIL, BSM, Dockendale, D'Amico, Great Eastern, V Ships, IMEC, Maersk, Wallem, SIMS, Seven Islands, SCI

MEDICAL REQUIREMENTS by MARINE EDGE (1).pdf

This document outlines the Directorate General of Shipping's fitness requirements for sea service. Key medical requirements include:

CONSTITUTION:

- No evidence of weak constitution
- Minimum height 157 centimeters with co-related weight
- Proportionate chest with minimum 5 centimeter expansion

SKELETAL SYSTEM:

- No disease or impairment of functions of bones or joints
- No contraction or deformity of chest or joints
- No abnormal curvatures of spine
- No deformity of legs, feet, upper limbs, head

- Healed fractures with pins are disqualifications

EAR, NOSE, THROAT:

- No impaired hearing, ear discharge, or disease
- Unaided average threshold < 40 db in both ears
- Ability to hear whisper at 5 meters on each side
- No disease of bones/cartilage of nose
- No nasal polyps or disease of naso-pharynx
- No severe decay of teeth that impacts mastication
- No throat, palate, tonsil, or gum disease

SPEECH:

- No speech impediments like stammering or lisp

LYMPHATIC SYSTEM:

- Normally functioning glandular system
- No tubercular enlargement

CARDIOVASCULAR SYSTEM:

- No cardiac or vascular disease
- Normal electrocardiogram
- Blood pressure must not exceed 140/90 mm Hg

RESPIRATORY SYSTEM:

- No chronic respiratory disease or tuberculosis
- Normal chest X-ray

DIGESTIVE SYSTEM:

- No disease of digestive system
- Liver and spleen not palpable
- No abdominal tenderness

GENITOURINARY SYSTEM:

- Kidneys not palpable, enlarged or diseased
- No albuminuria, glycosuria, or blood in urine
- No hernia or tendency thereto
- Requirements for hernia operation
- No hydrocele, varicocele, or abnormality of genital organs

- No fistula, anal fissure, hemorrhoids, or rectal polyps
- No venereal disease
- No undescended testes

SKIN:

- No skin disease except temporary/trivial nature
- No disabling scars

NERVOUS SYSTEM:

- No history of mental disease in candidate or family
- No history of fits or incontinence
- No mental/nervous irritability or abnormal gait

EYESIGHT:

- No squint or morbid condition of eyes/eyelids
- Good binocular vision
- Full eye movement in all directions
- Distance vision unaided 0.5 in each eye or 0.67 in better eye
- No color blindness (tested by Ishihara chart)

OTHER TESTS:

- May include drugs and/or HIV tests during medical examination

ROADMAP FOR B.TECH by MARINE EDGE.pdf

This document provides a roadmap for B.Tech Marine Engineering, covering:

WHAT IS B.TECH MARINE ENGINEERING:

- 4-year undergraduate degree program in engineering
- Prepares students to become Marine Engineers
- Syllabus includes Applied Thermodynamics, Control Engineering and Automation, Marine Electrical Technology
- Focuses on engineering of marine machines, harbors, ships, oil platforms

ELIGIBILITY CRITERIA:

- Academic Qualifications: 10+2 with PCM, minimum 60% in PCM, minimum 50% in English
- Age Limit:
 - Minimum: 17 years
 - Maximum for Males: General-25 years, OBC-28 years, SC/ST-30 years

- Maximum for Females: General-27 years, OBC-30 years, SC/ST-32 years

HOW TO JOIN:

- Method 1: B.Tech Marine Engineering after 12th and qualifying IMUCET
- Method 2: B.Tech in Mechanical Engineering followed by GME (Graduate Marine Engineering) 12-month course
- Method 3: B.Tech in Electrical/Electronics Engineering followed by ETO (Electro Technical Officer) 4-month course

HIERARCHY ON DECK: The document shows the hierarchy from junior positions to senior positions including:

- Engine Department: Junior Rating → Oiler → Greaser → Fourth Engineer → Third Engineer → Second Engineer → Chief Engineer
- Deck Department: Ordinary Seaman → Able Seaman → Bosun → Third Officer → Second Officer → Chief Officer → Captain
- Also includes positions like Engine Cadet, Electrical Engineer, Deck Cadet, etc.

HOW TO APPLY FOR B.TECH MARINE ENGINEERING:

- Application Forms open mid-March for IMUCET exam
- IMUCET held in June-July

COLLEGES TO APPLY:

1. Marine Engineering And Research Institute (IMU Kolkata/DMET) - Established 1949, top recruiters include Pacific Basin, Fleet Management, Synergy
2. Tolani Maritime Institute (TMI) - Located in Pune, established 1998
3. SIMS (Samundra Institute of Maritime Studies) - Top recruiter: ESM (Executive Ship Management)
4. IMU Mumbai Port (MERI) - Established 1949
5. IMU Chennai - Offers various B.Tech programs related to marine engineering and naval architecture
6. AMET University - Top recruiters include Maersk and V Ships
7. IMI, Noida - Top recruiter: MSC

ROADMAP FOR BSc by MARINE EDGE.pdf

This document outlines the roadmap for BSc in Nautical Science:

WHAT IS BSC IN NAUTICAL SCIENCE:

- Undergraduate degree program preparing students for careers as deck officers in merchant navy
- Focuses on navigation, seamanship, ship stability, marine engineering, maritime law

- Graduates qualify to work as deck officers on ships of all sizes and types

ELIGIBILITY CRITERIA:

- Academic Qualifications: Pass 10+2 with PCME, PCM average 60% minimum, English 50% minimum in 10th or 12th
- Eyesight: 6/6 vision in each eye without glasses, pass DG-approved eye test, not color blind
- Age Limit: Minimum 17 years; Maximum for Males (General-25, OBC-28, SC/ST-30); Maximum for Females (General-27, OBC-30, SC/ST-32)

HIERARCHY ON DECK: Similar to the B.Tech roadmap, showing progression from junior to senior positions

HOW TO APPLY:

- Qualifying IMUCET is mandatory
- Forms available March-April yearly

COLLEGES TO APPLY:

1. IMU Navi Mumbai (T.S. Chanakya) - Top recruiters: Fleet, Chevron, PIL, TORM, MOL, NYK
2. Tolani Maritime Institute - Requires TMISAT and interview; Top recruiters: Maersk, MOL, MSI, NYK, Chevron
3. AMET University - Requires entrance test, psychometric test, IMUCET, and Maersk interview; Top recruiters: Maersk, V Ships, Synergy
4. IMU Chennai - Top recruiters: TORM Tankers, Synergy, Maersk, ASP
5. SIMS (Samundra Institute of Maritime Studies) - Top recruiter: ESM

Roadmap for DNS by MARINE EDGE.pdf

This document provides a roadmap for DNS (Diploma in Nautical Science) aspirants:

WHAT IS DNS COURSE:

- 1-year course leading to BSc Nautical Science after 18 months of sea service
- Leads to 2nd Mate Foreign going Certificate of Competency
- Enables cadets to become Navigating officers on merchant naval ships
- Strictly residential program

ELIGIBILITY CRITERIA:

- Course Duration: 1 year
- Academic Qualifications: Minimum 60% in PCM, 50% in English in both 10th and 12th
- Eyesight: Must pass full eyesight test (6/6 vision, no color blindness)
- Physical Standards: Medical fitness as per M.S. Medical Examination Rules
- Age Limit: 17-25 years

- IMUCET and company sponsorship are important requirements

The document provides detailed information about various shipping companies offering DNS sponsorship:

1. ANGLO EASTERN:

- Location: Karjat, Maharashtra
- Vessels: 700+
- Waiting Period: 2 Months
- Stipend: \$550-600
- Eligibility: PCM 70%, English 60%, Age limit 25 years
- Application periods: August and February

2. MEDITERRANEAN SHIPPING COMPANY (MSC):

- Vessels: 700+
- Waiting Period: 1-2 Months
- Stipend: \$300-400
- Eligibility: PCM 65%, Age 17-19 years
- Application period: August
- Sends sponsored candidates to IMI NOIDA

3. THE GREAT EASTERN SHIPPING CO:

- Vessels: 43
- Waiting Period: 6-7 Months
- Stipend: \$250-350
- Eligibility: PCM 60%, Age 17-25 years
- Application periods: August and February

4. FLEET MANAGEMENT:

- Vessels: 650+
- Waiting Period: 1-2 Months
- Stipend: \$500-600
- Eligibility: PCM 70%, English 70%, Age 17-20 years
- No sponsorship for improvement exam candidates
- Application periods: August and February
- Sends sponsored candidates to IMI NOIDA, T S REHMAN, AMET University, TMI

5. SCORPIO TANKERS:

- Vessels: 200+
- Waiting Period: 1-2 Months
- Stipend: \$600-650
- Eligibility: PCM 65%, Age 17-24 years
- Application periods: August and February
- Sends sponsored candidates to T S REHMAN, TMI, Ganpat University

6. V.SHIPS (V.GROUP):

- Vessels: 1000+
- Waiting Period: 1-2 Months
- Stipend: \$600-650
- Eligibility: PCM 60%, Age 17-25 years
- Application period: August
- Admission test: Apro Test (Mental Awareness)
- Sends sponsored candidates to AMET University, T S Rehman

7. SYNERGY MARINE:

- Vessels: 590+
- Waiting Period: 1-2 Months
- Stipend: \$600-650
- Eligibility: PCM 60%, Age 17-25 years
- Application period: August
- Sends sponsored candidates to AMET University, IMU Campuses, TMI, HIMT

8. WALLEM:

- Vessels: 190+
- Waiting Period: 8+ Months
- Stipend: \$350-400
- Eligibility: PCM 60%, Age 17-25 years
- Application periods: August and February
- Sends sponsored candidates to IMI NOIDA

9. SHIPPING CORPORATION OF INDIA (SCI):

- Vessels: 80

- Waiting Period: 1-1.5 Years
- Stipend: 20-25k INR
- Eligibility: PCM 60%, Age 17-25 years
- Application periods: August and February
- Sends sponsored candidates to SCI MTI

10. SEVEN ISLAND SHIPPING LTD:

- Vessels: 24
- Waiting Period: 2-3 Months
- Stipend: 20-25k INR
- Eligibility: PCM 60%, Age 17-25 years
- Application periods: August and February

11. EXECUTIVE SHIP MANAGEMENT (ESM):

- Vessels: Around 200
- Waiting Period: 6-8 Months
- Stipend: \$250-350
- Eligibility: PCM 60%, Age 17-20 years
- Application periods: August and February
- Sends cadets to SAMUNDRA INSTITUTE OF MARITIME STUDIES

12. BERNHARD SCHULTE SHIP MANAGEMENT (BSM):

- Vessels: 650+
- Waiting Period: 2-4 Months
- Stipend: \$500-600
- Eligibility: PCM depends on campus, Age 17-25 years
- Sends cadets to TS Rehman, comes to GREAT EASTERN for campus placement

The document also mentions IN-CAMPUS companies that come for placements:

- SEASPAN
- TORM TANKERS
- DOCKENDALE
- MMSI

These companies typically recruit from TMI, IMI, and TS REHMAN.